

**ABSTRACT OF THE DISCLOSURE**

A nail varnish composition comprising, in a cosmetically acceptable medium, at least one film-forming gradient copolymer comprising at least two different monomeric units and exhibiting a mass polydispersity index (PI) of less than or equal to 2.5, the composition being capable of forming a film having an adhesion corresponding to a detachment percentage of less than 45%; a cosmetic process for making up and/or caring for the nails comprising the application to the nails of the cosmetic composition.